AMSAT Weekly Satellite Report
Issue: WSR-269
Date: 2008-09-25
Sources: amsat-ans-2008-wsr-269.txt

This report is organized into FIVE parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites
Part 5 (S5) - deborbited/returned satellites

SB SAT @ AMSAT W8ISS ANS-269.S1
WSR 269 Part 1 09/25/2008

AMSAT NEWS SERVICE BULLETIN 269.S1 FROM AMSAT HQ
SILVER SPRING, MD, September 25, 2008
TO ALL RADIO AMATEURS
BID: $ANS-269.S1

DO-64 Delfi-C3
Catalog number: 32789
Launch Date: April 28, 2008

Status: OPERATIONAL
Current Mode: U/v - voice

Telemetry: 145.870 MHz

Downlink: 145.880 to 145.920 MHz
Uplink: 435.530 to 435.570 MHz

Proposed Frequencies:
* Primary telemetry downlink: 145.870 MHz 1200 Baud BPSK AX.25 400mW
* Backup telemetry downlink: 145.930 MHz 1200 Baud BPSK AX.25 400mW
* Linear transponder passband downlink: 145.880 - 145.920 MHz
(inverting)
  400mW PEP
* Linear transponder passband uplink: 435.570 - 435.530 MHz
* Transponder mode beacon: 145.870 MHz CW (10dB below transponder PEP)

For the latest project status update please visit the Delfi-C3 web page:
http://www.delfic3.nl/

IARU coordination status page:
http://www.amsat.org.uk/iaru/finished_detail.asp?serial=68
[07312008]
=====
VO-52 HAMSAT
Catalog number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/v - Indian Transponder

Frequencies:
Indian Transponder:
Uplink: 435.220 to 435.280 MHz LSB/CW
Downlink: 145.930 to 145.870 MHz USB/CW

Dutch Transponder:
Uplink: 435.225 to 435.275 MHz LSB/CW
Downlink: 145.925 to 145.875 MHz USB/CW

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Indian Beacon:  145.859330 MHZ CW
Dutch Beacon:   145.860 MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsatindia.org/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[08072008]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Software reload

Current Modes:   FM Repeater - V/u
                               L/u
                 BBS         - OFF
                 Telemetry   - OFF

Analog voice downlink: 435.300 MHz FM
                        435.150 MHz FM
                       2401.200 Mhz FM
Analog voice uplink:    145.880 MHZ FM
                        145.880 MHz USB
                        145.920 MHz FM
                       1268.700 MHz FM 67Hz PL tone
Digital Downlinks:      435.150 MHz FM 38k4 Digital, PBP, 1 watt output
                        435.150 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
                       2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink:         145.860 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
                       1268.700 mhz FM 9k6 PBP Digital
Beacon:                 435.150 MHz

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
   TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[09252008]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launch date: December 20, 2002

Status: Operational.

Current Mode: V/u
```

Uplink: 145.850 MHz FM - 67.0 Hz PL tone
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The order of operation is thus: (allow for Doppler as necessary):
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
   on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater on
   and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
   minute timer.
[05282007]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: Operational - check operational schedule for current times!!

Current Mode: V/u

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplinks: 145.850 MHz FM
          145.870 MHz FM
          145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

For current operational schedule for FO-29:
http://www.ne.jp/asahi/m-arai/gkz/satinfo/fo29e.htm

JARL English webpage: http://www.jarl.or.jp/English/5_Fuji/ejasmenu.htm

AMSAT-NA Webpage:
http://www.amsat.org/amsat-new/satellites/satInfo.php?satID
=5&retURL=/satellites/status.php

Mineo Wakita, JE9PEL, has created a simple decoder program for FO29's CW
telemetry downlink: http://www.ne.jp/asahi/hamradio/je9pel/fo29cwts.htm
[0820007]
=====
AO-27 AMRAD
Catalog number: 22825

```
Launch date: September 26, 1993

Status: OFF - Recovery Efforts

Current Mode: V/u

Uplink:   145.850 MHz FM
Downlink: 436.797 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[09252008]
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: TESTING - VOICE

Current Mode:  V/u

Uplink:         145.900 MHz FM 1200-baud Manchester FSK (reserved)
                145.920 MHz FM VOICE
                145.940 MHz FM 1200-baud Manchester FSK (reserved)
                145.960 MHz FM 1200-baud Manchester FSK (reserved)

Downlink:       437.026 MHz USB VOICE
                ( 1200-baud PSK - MBL Telemetry Only )

Mode-S Beacon: 2401.1428 MHz [NO FUTURE OPERATIONS PLANNED]

Mode and Antenna Polarization:
U: RC  437.050 MHz RHCP
   PSK 437.026 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS:                PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[03202008]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight

Current Mode: Listen before transmitting

Uplink:   145.850 to 145.950 MHz CW/USB Mode A
          432.125 to 432.175 MHz CW/LSB Mode B
Downlink:  29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
          145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
          145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons:   29.502 MHz CW
          145.972 MHz CW
          435.100 MHz CW
         2304.100 MHz CW

Official Webpage:
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http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php

The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/

AO-7 Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[05282007]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational

Current Mode: FM Repeater - U/v
              Voice -       V/v
              BBS -         V/v
              APRS -        V/v
              SSTV -        OFF

Expedition 17 crew:
Commander:          Sergey Volkov         RU3DIS
Flight Engineer:    Oleg Kononenko        RN3DX
Flight Engineer:    Greg Chamitoff        KD5PKZ

Available Modes and Frequencies:
Digital/APRS:
Worldwide packet uplink:   145.825 MHz FM
Worldwide packet downlink: 145.825 Mhz FM

Voice:
Region 1 voice uplink:   145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink:      145.800 MHz FM

Crossband Repeater:
Repeater Uplink:         437.800 MHz FM
Repeater Downlink:       145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German:              DP0ISS
Russian:             RS0ISS
                     RZ3DZR
USA:                 NA1SS
Packet Mailbox:      RS0ISS-11
Packet Keyboard:     RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[08072008]
NNNN
/EX
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SB SAT @ AMSAT W8ISS ANS-269.S2
WSR 269 Part 2 09/25/2008

AMSAT NEWS SERVICE BULLETIN 269.S2 FROM AMSAT HQ
SILVER SPRING, MD, September 25, 2008
TO ALL RADIO AMATEURS
BID: $ANS-269.S2

RS-30 Radio Sputnik 30 (Yubileiny)
Catalog Number:
Launch Date: May 23, 2008

Status: Operational

Curent Mode: Telemetry
Audio
Images

Downlinks: 435.315 MHz
435.215 MHz
[05292008]
=====
CAPE-1
Catalog Number: 31130
Launch Date: April 17,2007

Status: Intermittent

Current Mode: /u

TLM Downlink: 435.245 MHz 9600 bs FSK AX.25
CW Beacon: 435.245 MHz CW

Callsign: K5USL

TLM and CW interchange every 30 seconds.
[11152007]
=====
CP3
Catalog Number: 31128
Launch Date: April 17,2007

Status: Operational

Current Mode: /u

Downlink: 436.845 MHz 1200 bps AFSK AX.25
[07302007]
=====
PO-63 PEHUENSAT-1
Catalog Number: 29712
Launch Date: January 10, 2007

Status: In Orbit

Current Mode: V/v

Uplink/Downlink: 145.825 Mhz FM
Voice Recorder: 145.825 Mhz FM
[02052007]
=====
NO-62 FCAL
Catalog Number: 29667

Launch Date: December 21, 2006

Status: Operational

Current Mode: /u

Downlink: 437.385 Mhz APRS AX25

Downlink ID: KD4HBO

Website: http://eng.usna.navy.mil/~bruninga/fcal.html
[10222007]
=====
GENESAT-1 ?O-??
Catalog Number: 29655
Launch Date: December 16, 2006

Status: Operational

Current Mode: /u

Telemetry Beacon Downlink: 437.0670 MHz AFSK 1200 BPS

Official webpage: http://www.crestnrp.org/genesat1/ahc.html
[01082007]
=====
CO-58 CubeSat XI-V
Catalog number: 28895
Launch Date: October 27, 2005

Status: Operational - CW Beacon only

Current Mode: /u

Telemetry Downlink: 437.4250 MHz AFSK 1200bps using AFK protocol
Beacon: 437.2750 MHz CW

Callsign: JQ1YGW

Official Webpage: http://www.space.t.u-tokyo.ac.jp/cubesat/mission/V/

Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03262007]
=====
CO-57 CubeSat XI-IV
Catalog number: 27848
Launch date: June 30, 2003

Status: Operational

Current Mode: /u

Beacon: 436.8475 MHz CW
Telemetry : 437.4900 MHz AFSK 1200 BPS

Callsign: JQ1YGW

Official Webpage: http://www.space.t.u-tokyo.ac.jp/cubesat/mission/V/
[01082007]
=====
CO-56 CUTE-1.7 + APD
Catalog number: 28941
Launch date: February 21, 2006

```
Status: Semi-Operational - Constant Carrier only

Uplink:  1268.5000 MHz GMSK 9600 BPS
Downlink: 437.4700 MHz 1200 FM ax25 or SRLL (ACTIVE only near Japan ? )

Telemetry Beacon: 437.3850 CW
Callsign: JQ1YPC

Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[01082007]
=====
CO-55 CUTE-1
Catalog Number: 27844
Launch date: June 30, 2003

Status: Operational

Current Mode: CW downlink worldwide
              AX25 Packet with uplink command over Japan only

Mode U Telemetry
Downlink: 437.4000 MHz AFSK 1200 BPS

Mode U TLM Beacon
Downlink: 436.8375 MHz CW
[08132007]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Softawre Reload

Current Modes:   FM Repeater - V/u
                               L/s
                 BBS         - OFF
                 Telemetry   - OFF

Analog voice downlink: 435.300 MHz FM
                        435.150 MHz FM
                       2401.200 Mhz FM
Analog voice uplink:    145.880 MHZ FM
                        145.880 MHz USB
                        145.920 MHz FM
                       1268.700 MHz FM 67Hz PL tone
Digital Downlinks:      435.150 MHz FM 38k4 Digital, PBP, 1 watt output
                        435.150 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
                       2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink:         145.860 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
                       1268.700 mhz FM 9k6 PBP Digital
Beacon:                 435.150 MHz

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
   TX B (usually analog) RHCP
L: Linear
S: Linear
```

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[09112008]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Hibernation until full sunlight in November

Current Mode: V/v

General Usage Uplink/Downlink: 145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org

aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09242007]
=====
GO-32 Gurwin TechSat-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Current Modes: V/U
L/U

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM

Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[09172007]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launch Date: March 1, 1984

Status: Semi-operational.

Current Mode: /v

Telemetry Downlink: 145.825 MHz FM 1200 AFSK
UHFBeacon: 435.025 MHz
Mode-S Beacon: 2401.500 MHz

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[01242008]
=====
RS-22 RADIO SPORT RS-22
Catalog number: 27939
Launch Date: September 27, 2003

Status: Operational - 70cm cw only

Current Mode: /u

CW Beacon - 435.352 MHz
            145.818 MHz
[08062007]
=====
Can X-2
Catalog number:
Launch Date: April 28, 2008

Status: IN ORBIT

Downlink: 437.478 MHz GFSK

For the latest project status update please visit the Can X-2 web page:
http://www.utias-sfl.net/nanosatellites/CanX2/

IARU coordination status page:
http://www.amsat.org.uk/iaru/finished_detail.asp?serial=46
[05292008]
=====
AAUSAT-II
Catalog number: 32788
Launch Date: April 28, 2008

Status: IN ORBIT

Downlink: 437.425 MHz

For the latest project status update please visit the AAUSAT-II web
page:
http://www.aausatii.aau.dk/homepage/index.php?language=en&page=home

IARU coordination status page:
http://www.amsat.org.uk/iaru/finished_detail.asp?serial=60
[05292008]
=====
CO-65 Cute-1.7+APD II
Catalog number: 32785
Launch Date: April 28, 2008

Status: IN ORBIT

Downlink: 437.475 MHz 9k6 Packet
Uplink: 1267.600 Mhz

For the latest project status update please visit the Cute-1.7+APD II
web
page:
http://lss.mes.titech.ac.jp/ssp/cute1.7/index_e.html

IARU coordination status page:
http://www.amsat.org.uk/iaru/finished_detail.asp?serial=78
[07312008]

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=====
Compass-1
Catalog number: 32787
Launch Date: April 28, 2008

Status: IN ORBIT

Downlink: 437.275 Mhz CW
          437.405 MHz Packet

For the latest project status update please visit the Compass 1 web
page:
http://www.raumfahrt.fh-aachen.de/

IARU coordination status page:
http://www.amsat.org.uk/iaru/finished_detail.asp?serial=52
[05292008]
=====
CO-66 Seeds II
Catalog number:
Launch Date: April 28, 2008

Status: IN ORBIT

Downlink: 437.485 MHz

For the latest project status update please visit the Seeds 2 web page:
http://cubesat.aero.cst.nihon-u.ac.jp/english/main_e.html

IARU coordination status page:
http://www.amsat.org.uk/iaru/finished_detail.asp?serial=36
[07312008]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational

Current Modes: FM Repeater - U/v
               Voice -       V/v
               BBS -         V/v
               APRS -        V/v
               SSTV -        OFF

Expedition 17 crew:
Commander:          Sergey Volkov         RU3DIS
Flight Engineer:    Oleg Kononenko        RN3DX
Flight Engineer:    Greg Chamitoff        KD5PKZ

Available Modes and Frequencies:
Digital/APRS:
Worldwide packet uplink:   145.825 MHz FM
Worldwide packet downlink: 145.825 Mhz FM

Voice:
Region 1 voice uplink:   145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink:      145.800 MHz FM

Crossband Repeater:
Repeater Uplink:         437.800 MHz FM
Repeater Downlink:       145.800 MHz FM
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Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German:              DP0ISS
Russian:             RS0ISS
                     RZ3DZR
USA:                 NA1SS
Packet Mailbox:      RS0ISS-11
Packet Keyboard:     RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[06122008]
NNNN
/EX

SB SAT @ AMSAT W8ISS ANS-269.S2
WSR 269 Part 2 09/25/2008

AMSAT NEWS SERVICE BULLETIN 269.S2 FROM AMSAT HQ
SILVER SPRING, MD, September 25, 2008
TO ALL RADIO AMATEURS
BID: $ANS-269.S2

RS-30 Radio Sputnik 30 (Yubileiny)
Catalog Number:
Launch Date: May 23, 2008

Status: Operational

Curent Mode: Telemetry
             Audio
             Images

Downlinks: 435.315 MHz
           435.215 MHz
[05292008]
=====
CAPE-1
Catalog Number: 31130
Launch Date: April 17,2007

Status: Intermittent

Current Mode:  /u

TLM Downlink: 435.245 MHz 9600 bs FSK AX.25
CW Beacon:    435.245 MHz CW

Callsign: K5USL

TLM and CW interchange every 30 seconds.
[11152007]
=====
CP3
```

Catalog Number: 31128
Launch Date: April 17,2007

Status: Operational

Current Mode: /u

Downlink: 436.845 MHz 1200 bps AFSK AX.25
[07302007]
=====
PO-63 PEHUENSAT-1
Catalog Number: 29712
Launch Date: January 10, 2007

Status: In Orbit

Current Mode: V/v

Uplink/Downlink: 145.825 Mhz FM
Voice Recorder: 145.825 Mhz FM
[02052007]
=====
NO-62 FCAL
Catalog Number: 29667
Launch Date: December 21, 2006

Status: Operational

Current Mode: /u

Downlink: 437.385 Mhz APRS AX25

Downlink ID: KD4HBO

Website: http://eng.usna.navy.mil/~bruninga/fcal.html
[10222007]
=====
GENESAT-1 ?O-??
Catalog Number: 29655
Launch Date: December 16, 2006

Status: Operational

Current Mode: /u

Telemetry Beacon Downlink: 437.0670 MHz AFSK 1200 BPS

Official webpage: http://www.crestnrp.org/genesat1/ahc.html
[01082007]
=====
CO-58 CubeSat XI-V
Catalog number: 28895
Launch Date: October 27, 2005

Status: Operational - CW Beacon only

Current Mode: /u

Telemetry Downlink: 437.4250 MHz AFSK 1200bps using AFK protocol
Beacon: 437.2750 MHz CW

Callsign: JQ1YGW

Official Webpage: http://www.space.t.u-tokyo.ac.jp/cubesat/mission/V/

Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03262007]
=====
CO-57 CubeSat XI-IV
Catalog number: 27848
Launch date: June 30, 2003

Status: Operational

Current Mode: /u

Beacon: 436.8475 MHz CW
Telemetry : 437.4900 MHz AFSK 1200 BPS

Callsign: JQ1YGW

Official Webpage: http://www.space.t.u-tokyo.ac.jp/cubesat/mission/V/
[01082007]
=====
CO-56 CUTE-1.7 + APD
Catalog number: 28941
Launch date: February 21, 2006

Status: Semi-Operational - Constant Carrier only

Uplink: 1268.5000 MHz GMSK 9600 BPS
Downlink: 437.4700 MHz 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)

Telemetry Beacon: 437.3850 CW
Callsign: JQ1YPC

Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[01082007]
=====
CO-55 CUTE-1
Catalog Number: 27844
Launch date: June 30, 2003

Status: Operational

Current Mode: CW downlink worldwide
              AX25 Packet with uplink command over Japan only

Mode U Telemetry
Downlink: 437.4000 MHz AFSK 1200 BPS

Mode U TLM Beacon
Downlink: 436.8375 MHz CW
[08132007]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Softawre Reload

Current Modes: FM Repeater - V/u
                               L/s
                 BBS   - OFF
                 Telemetry   - OFF

```
Analog voice downlink: 435.300 MHz FM
                        435.150 MHz FM
                       2401.200 Mhz FM
Analog voice uplink:    145.880 MHZ FM
                        145.880 MHz USB
                        145.920 MHz FM
                       1268.700 MHz FM 67Hz PL tone
Digital Downlinks:      435.150 MHz FM 38k4 Digital, PBP, 1 watt output
                        435.150 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
                       2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink:         145.860 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
                       1268.700 mhz FM 9k6 PBP Digital
Beacon:                 435.150 MHz

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
   TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[09112008]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Hibernation until full sunlight in November

Current Mode: V/v

General Usage Uplink/Downlink: 145.827 MHz 1200 Baud
Special Usage Downlink:        144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org

aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09242007]
=====
GO-32 Gurwin TechSat-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Current Modes: V/U
               L/U

Downlink: 435.225 MHz FM (9600-baud FSK)
          435.325 Mhz - Not Available - temperature problems
Uplinks:  145.850 FM
          145.890 FM
          145.930 FM
         1269.700 FM
         1269.800 FM
         1269.900 FM
```

Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[09172007]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launch Date: March 1, 1984

Status: Semi-operational.

Current Mode: /v

Telemetry Downlink: 145.825 MHz FM 1200 AFSK
UHFBeacon: 435.025 MHz
Mode-S Beacon: 2401.500 MHz

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[01242008]
=====
RS-22 RADIO SPORT RS-22
Catalog number: 27939
Launch Date: September 27, 2003

Status: Operational - 70cm cw only

Current Mode: /u

CW Beacon - 435.352 MHz
            145.818 MHz
[08062007]
=====
Can X-2
Catalog number:
Launch Date: April 28, 2008

Status: IN ORBIT

Downlink: 437.478 MHz GFSK

For the latest project status update please visit the Can X-2 web page:
http://www.utias-sfl.net/nanosatellites/CanX2/

IARU coordination status page:
http://www.amsat.org.uk/iaru/finished_detail.asp?serial=46
[05292008]
=====
AAUSAT-II
Catalog number: 32788
Launch Date: April 28, 2008

Status: IN ORBIT

Downlink: 437.425 MHz

For the latest project status update please visit the AAUSAT-II web

page:
http://www.aausatii.aau.dk/homepage/index.php?language=en&page=home

IARU coordination status page:
http://www.amsat.org.uk/iaru/finished_detail.asp?serial=60
[05292008]
=====
CO-65 Cute-1.7+APD II
Catalog number: 32785
Launch Date: April 28, 2008

Status: IN ORBIT

Downlink: 437.475 MHz 9k6 Packet
Uplink: 1267.600 Mhz

For the latest project status update please visit the Cute-1.7+APD II
web
page:
http://lss.mes.titech.ac.jp/ssp/cute1.7/index_e.html

IARU coordination status page:
http://www.amsat.org.uk/iaru/finished_detail.asp?serial=78
[07312008]
=====
Compass-1
Catalog number: 32787
Launch Date: April 28, 2008

Status: IN ORBIT

Downlink: 437.275 Mhz CW
          437.405 MHz Packet

For the latest project status update please visit the Compass 1 web
page:
http://www.raumfahrt.fh-aachen.de/

IARU coordination status page:
http://www.amsat.org.uk/iaru/finished_detail.asp?serial=52
[05292008]
=====
CO-66 Seeds II
Catalog number:
Launch Date: April 28, 2008

Status: IN ORBIT

Downlink: 437.485 MHz

For the latest project status update please visit the Seeds 2 web page:
http://cubesat.aero.cst.nihon-u.ac.jp/english/main_e.html

IARU coordination status page:
http://www.amsat.org.uk/iaru/finished_detail.asp?serial=36
[07312008]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational

Current Modes: FM Repeater - U/v

```
               Voice -       V/v
               BBS -         V/v
               APRS -        V/v
               SSTV -        OFF

Expedition 17 crew:
Commander:          Sergey Volkov         RU3DIS
Flight Engineer:    Oleg Kononenko        RN3DX
Flight Engineer:    Greg Chamitoff        KD5PKZ

Available Modes and Frequencies:
Digital/APRS:
Worldwide packet uplink:   145.825 MHz FM
Worldwide packet downlink: 145.825 Mhz FM

Voice:
Region 1 voice uplink:   145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink:      145.800 MHz FM

Crossband Repeater:
Repeater Uplink:         437.800 MHz FM
Repeater Downlink:       145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German:              DP0ISS
Russian:             RS0ISS
                     RZ3DZR
USA:                 NA1SS
Packet Mailbox:      RS0ISS-11
Packet Keyboard:     RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[06122008]
NNNN
/EX

SB SAT @ AMSAT W8ISS ANS-269.S4
WSR 269 Part 4 09/25/2008

AMSAT NEWS SERVICE BULLETIN 269.S4 FROM AMSAT HQ
SILVER SPRING, MD, September 25, 2008
TO ALL RADIO AMATEURS
BID: $ANS-269.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE PROPOSED FOR LAUNCH AT
THIS TIME:

Phase 5a Mars Mission AO-??
Catalog Number:
Proposed Launch Date: 2009 or 2011
```

Status: Design Phase

For the latest project status update please visit the AMSAT-DL P5-A web
page:
http://ticket-to-mars.org
[01222007]
=====
PHASE 3E AO-??
Catalog number:
Proposed Launch Date: Late 2008

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[01222007]
=====
Eagle AO-??
Catalog Number:
Proposed Launch Date: Early/Mid 2009

Status: Design Phase

For the latest project status updates please visit the AMSAT-NA webpage:
http://www.amsat.org
[01222007]
NNNN
/EX

SB SAT @ AMSAT W8ISS ANS-269.S5
WSR 269 Part 5 09/25/2008

AMSAT NEWS SERVICE BULLETIN 269.S5 FROM AMSAT HQ
SILVER SPRING, MD, September 25, 2008
TO ALL RADIO AMATEURS
BID: $ANS-269.S5

THE FOLLOWING SATELLITES HAVE RE-ENTERED OR HAVE BEEN RETURNED SAFELY:

NO-61 ANDE
Catalog Number: 29664
Launch Date: December 21, 2006

Status: Operational
Re-entered: December 25, 2007

Uplink/Downlink: 145.825 Mhz FM APRS AX25
[01032008]
=====
NO-60 RAFT-1
Catalog Number: 29661
Launch Date: December 21, 2006

Status: Re-Entered
Re-entered: May 30, 2007

Main Downlink: 145.825 Mhz FM APRS AX25
APRS Uplink: 145.825 MHz FM APRS AX25
Voice/PSK31 Uplink: 28.120 MHz

Packet to Voice ID: RAFT
[06112007]
NNNN

/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

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AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/mailman/listinfo/ans

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX